Jonathan Wiseman

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EDUCATION

Elizabethtown College   Elizabethtown, PA
B.S. Computer Science, Mathematics Minor   August 2016 - June 2020
GPA: 4.0

International School of Estonia   Tallinn, Estonia
International Baccalaureate Diploma   August 2015 - June 2016

SKILLS

- Languages: C#, C, SQL, JavaScript, Python, Java
- Tools: Visual Studio, SQL Server, Git, Jupyter

WORK EXPERIENCE

Aries Systems Corporation   North Andover, MA
Software Engineer   June 2020 − Present

Full stack, .NET developer on Editorial Manager, a peer-review and publishing management system. Worked as engineering team member tasked with design and implementation of customer specifications and bug fixes. Worked as a member of both Waterfall and Agile teams. Took part in a company transformation from Waterfall to Agile.

ACANETS Lab, University of Massachusetts, Lowell   Lowell, MA
Engineering Research Assistant   June 2019 − August 2019

Research assistant working on three academic projects:

1. NetML: worked to generate a malware traffic dataset for machine learning classification
2. OpenMotion: an embedded system for motion tracking in physical therapy; worked on extracting and formatting data from accelerometers
3. SECTOR: tested blockchain architectures for securely storing and accessing HIPAA-complaint data; worked with Hyperledger Fabric and Golang

Elizabethtown College   Elizabethtown, PA
Computer Science Laboratory Assistant and Tutor   August 2018 − March 2020

Assisted students with projects, assignments, and general questions on behalf of Elizabethtown's Computer Science Department.

US Department of State   Nur-Sultan, Kazakhstan
Administrative Assistant   December 2018 − January 2019

Worked with Information Resources Management in network setup and database administration. Gained an understanding of international shipping logistics via interreaction with postal databases and physical pickup and delivery at international airports. Received a Certificate of Appreciation from Chargé d'Affair.

US Department of State   Nur-Sultan, Kazakhstan
Administrative Assistant   July 2018 − August 2018

Worked with Information Resources Management and Financial Management Office in backing up security logs and resolving user network problems.

US Department of State   Tallinn, Estonia
Administrative Assistant   June 2017 − August 2017

Helped organize public embassy events for 400+ people, gained experience working in teams across multiple departments

US Department of State   Tallinn, Estonia
Administrative Assistant   June 2016 − August 2016

Worked with General Services Office in maintaining embassy property, housing, and equipment. Escorted unauthorized personnel on embassy grounds. Helped maintain high quality of life for Foreign Service residents abroad.

US Department of State   Tallinn, Estonia
Administrative Assistant   June 2015 − August 2015

Worked with General Services Office in simple construction and delivery tasks. Helped maintain high quality of life for Foreign Service residents abroad.

PROJECTS

DraftSense   August 2019 − May 2020

A sentiment analyzer which detects positive and negative polarity towards NFL draftees with 85% accuracy. Trained on a hand-collected and labelled dataset based on over 14,000 Reddit comments; this dataset was also made publicly available for other researchers. DraftSense won Elizabethtown College's Grand Prize for Best Honors Senior Thesis.

Looking for Jays   January 2020 − May 2020

A Python-based Discord bot for organizing Elizabethtown College's E-Sports Team. The bot can be used for event signup, scheduling, club role management, team balancing, and statistics collection.

SubCluster   August 2019 − December 2019

A subreddit and post recommender system for Redditors based on clustering models. Trained on a hand-collected and labelled dataset spanning 37 subreddits, 111,000 comments, and 8 categories. Final clustering models showed high homogeneity and completeness, and could be used to recommend subreddits or posts given either as input.

MalNet   June 2019 − August 2019

A Python-based research utility for retrieving, labeling, and capturing network activity for suspected malware. MalNet was used to generate a malware traffic dataset for use in machine learning applications.

AWARDS

- BSA Eagle Scout   May 2015
- International Baccalaureate Diploma – International School of Estonia   May 2016
- Stamps Family Charitable Foundation Scholarship Recipient   August 2016 − June 2020
- Elizabethtown College Honors Program   August 2016 − June 2020
- Anna Carper Research Award Finalist   April 2017
- Pi Mu Epsilon National Honorary Mathematics Society   April 2019
- Elizabethtown College Honors Program Best Senior Thesis - Grand Prize Winner   May 2020
- Graduated Summa Cum Laude, Elizabethtown College   June 2020

ACTIVITIES

- Stamps National Day of Service   April 2017, 2018, 2019
- ACM-ICPC International Collegiate Programming Contest   2018, 2019